

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number  
**WO 2005/023418 A1**

(51) International Patent Classification<sup>7</sup>: **B01J 23/68**,  
37/06, C07D 301/10, B01J 21/04, 21/12

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Intellectual Property, P.O. Box 1967, Midland, MI 48641-  
1967 (US).

(21) International Application Number:  
PCT/US2004/017103

(22) International Filing Date: 2 June 2004 (02.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/497,452 22 August 2003 (22.08.2003) US

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

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(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: **IMPROVED ALUMINA CARRIERS AND SILVER-BASED CATALYSTS FOR THE PRODUCTION OF ALKY-  
LENE OXIDES**

(57) Abstract: An improved carrier useful for preparing a catalyst having excellent catalytic performance when used in the produc-  
tion of alkylene oxide, such as ethylene oxide. The carrier is obtained by a) impregnating a preformed alpha-alumina carrier with  
at least one modifier selected from among alkali metal silicates and alkaline earth metal silicates, b) drying said impregnated car-  
rier, and c) calcining said dried carrier. The carrier may optionally be washed, prior to being impregnated by conventional catalytic  
material and/or promoter material.

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